

# Portable Boiler Room 150 HP / 5,175 PPH



**RH-150**

## Features:

- Boiler and Burner Package
- Control Systems and Panels
- Onboard Fuel Tank – 1,000 Gallons
- Fuel Handling Equipment
- Feedwater Tank and Pump
- Water Softener with Chemical Tank and Pump
- Blowdown Separator

## General Information

<b>Rental Category</b>	Portable Boiler Room
<b>Boiler Size</b>	150 BHP
<b>Max Output Capacity</b>	5,175 PPH (2.4 T/H)
<b>Max Pressure (MAWP)</b>	150 PSIG (10.3 BARG)
<b>Fuel(s)</b>	Natural Gas / #2 Oil / Propane
<b>Service</b>	LPS / HPS / HHW
<b>NOx Emission Rating</b>	70 PPM

## Connections

<b>Steam Outlet</b>	6" 300# FLG
<b>Stack Exhaust</b>	16" Ø
<b>HHW Supply</b>	6" 150# FLG
<b>HHW Return</b>	6" 150# FLG
<b>City Water</b>	2" NPT
<b>Condensate Return</b>	2" NPT
<b>Natural Gas</b>	2" NPT
<b>#2 Oil Supply</b>	1" NPT
<b>#2 Oil Return</b>	1" NPT
<b>Blowdown Drain</b>	4" 150# FLG
<b>System Drain</b>	1 ¼" NPT
<b>Electrical</b>	2" NPT

## Output Specifications

<b>Operating Range</b>	10 – 140 PSIG (0.7 – 9.7 BARG)
<b>Turndown (NG/#2 Oil)</b>	4.5:1 / 3.3:1
<b>Oil Tank Capacity</b>	1,000 GAL (1,890 L)
<b>Steam Quality</b>	99.5%
<b>Efficiency</b>	80% - 83%
<b>HHW Design Flow</b>	450 GPM@20°FΔT (1,700 LPM@11°CΔT)

## Dimensions

<b>Overall Length</b>	40' (12.2 M)
<b>Overall Width</b>	08' (2.4 M)
<b>Overall Height</b>	13' 06" (4.1 M)
<b>Shipping Weight</b>	37,000 LBS (16,780 KGS)
<b>Operating Weight</b>	41,000 LBS (18,600 KGS)

## Input Specifications

<b>City Water</b>	20 GPM@50 PSIG (75 LPM@3.5 BARG)
<b>Electricity</b>	480 V / 3 PH / 60 Hz @ 40 A
<b>Fuel Input (NG / #2 Oil)</b>	6.3 MMBTU/hr (1.85 MW)
<b>NG Flow</b>	1,400 – 6,280 CFH (40 – 178 m³/hr)
<b>NG Pressure</b>	2 – 10 PSIG (0.14 – 0.69 BARG)
<b>#2 Oil Flow</b>	13.5 – 45 GPH (51 – 170 LPH)
<b>#2 Oil Pressure</b>	Use Onboard Oil Pump
<b>Pilot</b>	Propane Tank Included

Last updated on: 17-Dec-24

HPS: High Pressure Steam LPS: Low Pressure Steam HHW: Hydronic Hot Water DHW: Domestic Hot Water



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